# PerCP/Cyanine5.5 Anti-Human CD14 Antibody[M5E2]

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| **Catalog No.** | E-AB-F1209J | **Reactivity** | Human |
| **Storage** | Store at 2~8℃, Avoid freeze / thaw cycles | **Applications** | FCM |

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Antigen Information

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| **Alternate Names** | Monocyte differentiation antigen CD14,CD14,Myeloid cell-specific leucine-rich glycoprotein |
| **Uniprot ID** | P08571 |
| **Background** | CD14 is a 53-55 kD glycosylphosphatidylinositol (GPI)-linked membrane glycoprotein also known as LPS receptor. CD14 is expressed at high levels on monocytes and macrophages, and at lower levels on granulocytes. Some dendritic cell populations such as interfollicular dendritic cells, reticular dendritic cells, and Langerhans cells have also been reported to express CD14. As a high-affinity receptor for LPS, CD14 is involved in the clearance of gram-negative pathogens, and in the upregulation of adhesion molecules and expression of cytokines in monocytes and neutrophils. |

## Product Details

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| **Form** | Liquid |
| **Size** | 20Tests/100Tests/100Tests×2 |
| **Clone No.** | M5E2 |
| **Host** | Mouse |
| **Isotype** | Mouse IgG2a, κ |
| **Reactivity** | Human |
| **Application** | FCM |
| **Isotype Control** | PerCP/Cyanine5.5 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802J] |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant. |
| **Shipping** | Biological ice pack at 4 ℃ |
| **Stability & Storage** | Keep as concentrated solution.<br>Store at 2~8℃ and protected from prolonged exposure to light.Do not freeze.<br>This product is guaranteed up to one year from purchase. |


Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com

## Fluorophore

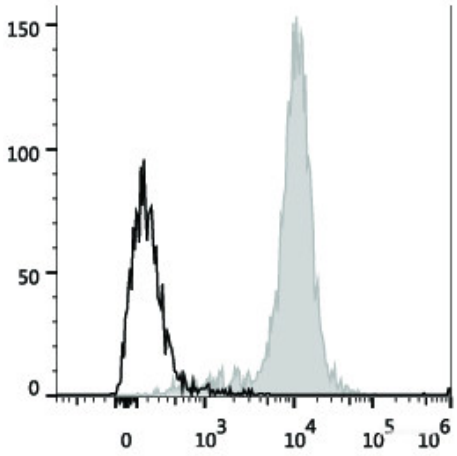
**Conjugation:** PerCP/Cyanine5.5

PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

## Product data




Human pheripheral blood monocytes are stained with PerCP/Cyanine5.5 Anti-Human CD14 Antibody (filled gray histogram). Unstained pheripheral blood monocytes (blank black histogram) are used as control.

## Related Information

1. Sample Preparation for Flow Cytometry https://www.elabscience.com/List-detail-5594.html
2. Staining Cell Surface Targets for Flow Cytometry https://www.elabscience.com/List-detail-5568.html
3. Flow Cytometry Troubleshooting Tips https://www.elabscience.com/List-detail-5593.html
4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/List-detail-459742.html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